10. Assignment:

The Consultant shall not assign this Contract or to Sub-Contract any portion without the Client's prior written consent.

11. Law governing the Contract:

The Contract shall be governed by the Laws of India.

12. Indemnify the Client:

The Consultant shall indemnify and hold harmless the Client against any and all claims, demands and/or judgments of any nature brought against the Client arising out of the Services by the Consultant and its staff under the Contract. The obligation under this Clause shall survive the termination of the Contract.

13. Taxes:

The Consultant shall pay the taxes, duties, fees, levies and other impositions payable under the Applicable Law. The Client will perform such duties in this regard to the deduction of such tax as may be lawfully imposed. However Consultancy Service Tax payable for providing this Consultancy Services shall be paid / reimbursed by the Client Separately.

For the Client

Signed By:

31/03

Name and Designation

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

31/03

Date:

Place:

For the Consultant

Signed By:

Name and Designation

Date: 31/3/2017

Place: Bangalore.

List of Attachments to the Contract:

Attachment A: Description of Services
Attachment B: Consultants Personnel
Attachment C: Consultant's Reporting Obligations

Consultant

Executive Engineer BTP Divison

31/03

Attachment A: Terms of Reference – Scope of Services

1. PROJECT OBJECTIVES:

The main objectives of the project are as under:-

i. To carry out engineering studies for the proposed road improvements.

ii. To carry out the detailed engineering design of the proposed road and culvert works, cost estimates and other bid document required for tendering as per Standard documents.

2. DETAILED SCOPE OF CONSULTANCY SERVICES

General objectives for progress of the assignment are as follows.

i. Collect inventory data and to do condition survey of road, bridge, culvert, as per IRC SP: 19 and prepare inventory in the computerized format using Microsoft access.

ii. Conduct representative CBR test on the existing sub-grade as per IRC:37-2001 if necessary.

iii. Carry out road deflection tests by Benkelman beam method (IRC: 81-1997).

iv. Identification of suitable location for lay bays and parking places.

v. Prepare Detailed Design and Working Drawings.

vi. To design the overlay for existing pavement and new pavement design as per IRC standards.

vii. To design a highway in all respect including geometric design, of pavement high embankment, junctions, culverts and bridges etc.

viii. To design rehabilitation improvement repair measures of existing structures if any.

ix. To recommend suitable design requirement and specifications requirements for entire reach including bridges and other structures and the approach roads.

x. Detailed drawings shall be prepared to international standards using CAD. It will contain all details required for execution of the project.

xi. Prepare Bill of Quantities and estimates based on current PWD SR Bangalore circle and considering latest issued issue rates.

3. Reports, Time Schedule and Payment Schedule

Contract Schedule

The consultancy services for Preparation of project report for the said project roads are to be completed within 4 weeks.

Schedule of Reports

The Consultant shall prepare and submit the following reports and documents (in English) to BBMP.

Final Project report

a. The Report should summarize the findings, analysis, results and recommendations of the study, design and shall cover all the aspects as per the Scope of the work.

b. The Consultant shall submit this report within the time schedule indicated to the BBMP for review and comments

c. The Final Detailed Project report should incorporate all the suggestions and comments of BBMP, if any.

Attachment B: Consultants Personnel

1.0 Key Professionals for the required Services

The assignment requires a Team Leader and a Traffic engineer assisted with well experienced support team, only the team leaders CV shall be evaluated

The minimum required experience and qualification are as given below

a. **Team Leader:** This is the senior most position and the expert engaged as the Team leader shall be responsible for reviewing the entire project activities and completing the entire assignment. This position requires a Senior Engineer who shall be Graduate in Civil Engineering with post graduation in Highway engineering with minimum experience of 10 years in Highway Engineering.

b. **Traffic Engineer:** This is the second senior most position and the expert engaged as traffic engineer shall be responsible for analysis for traffic and pedestrian data. This position requires a Senior Engineer who shall be Graduate in Civil Engineering with post graduation in traffic engineering with minimum experience of 10 years in Highway Engineering.

c. **Other Professional staff:** The other Key professionals indicated below shall be Civil Engineers and have a minimum of 3 years experience in the relevant field.

d. **Disputes if any:** Dispute if any, between the client and the Consultant, the decision of the commissioner, BBMP, Bangalore is final and binding on both the Client and Consultant

1.1 Specific Responsibilities of the Consultant

- The Consultant shall be fully responsible for collecting data and information from the Government agencies.
- All information, data and reports obtained from these agencies in the execution of the services shall be properly reviewed and analysed by the Consultant.

Attachment C: Consultant's reporting Obligations

Documents

The BBMP shall provide the Consultant with copies of all data and reports available and considered relevant to the execution of Consultant's work and liaison with other departments for access of information and data

Liaison and Access

The BBMP shall provide liaison with other Government agencies and Departments for the introduction of the Consultant. The Consultant shall be given unhindered access to the relevant agencies / Departments in order to complete the project successfully.

Reports and Various Outputs

The Consultant shall submit the following:

Sl No.	Description	No. of copies
1	Detailed Project Report, estimates, design & drawings	3 copies
2	Tender schedule and Preparation of Bid documents.	As per requirement

Consultant

Executive Engineer BTP Divison

31/03

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